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28 MAY 1981

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OK to file

May 26, 1981

EPA Region II
Solid Waste Branch
26 Federal Plaza
New York, NY 10007

ATTENTION: Dr. Ernest Regna

Dear Dr. Regna:

In accordance with 40 CFR parts 264.12 & 265.12 paragraphs A, this list serves as written notice for the International Shipments of Hazardous Wastes.

COMPANY

Canadian Sandpaper Ltd.
Plattsville, Ontario
NOJ 1S0

E.P.A. HAZARDOUS WASTE I.D. # NYT000029678

D001

Notice of subsequent shipments will be submitted as required.

Yours truly,

Richard A. Schultz
President

RAS:jik

The Pendleton Lake (also known as Quarry Lake) is on a site in the Town of Pendleton near the intersection of Town Line Road and Beach Ridge Road, and is adjacent to Bull Creek, a tributary of Sawyer Creek, which flows into the Niagara River. The lake is in what was once abandoned clay quarry with a volume of approximately 218,000 cubic yards (44 million gallons).

In 1959, the NYS Department of Health granted Frontier a permit to operate the old clay quarry as a waste disposal site. The permit allowed for the neutralization of waste acids such as pickle liquors containing iron, copper, nickel and other metals (other operations at the site involved incineration, distillation, chemical oxidation and reduction and recovery of salable by-products).

The operations at the site involved the dumping of acids into a lagoon (which was constructed out of earth near the lake), and the addition of lime into this lagoon to precipitate out heavy metals. The supernatant (which still contained small amounts of organic and inorganic contaminants) from this lagoon was put into the lake. The idea was to let the solids build up on the bottom of the lagoon until they filled it up to certain level, and then cap the lagoon with clay.

However, in 1973 excess precipitation increased the level of liquid in the lagoon, and a discharge to Bull Creek occurred. The discharge exceeded the effluent standards of the Creek, and Frontier was instructed to eliminate the use of the lagoon as a treatment facility. It is believed that, in phasing out the lagoon, some of its contents were placed into the lake. This, along with the previous (decanted) material which went to the lake from the lagoon, caused the pH of the water in the lake to reach 3.3 in 1977, along with varying concentrations of metals (the phasing out of waste disposal at the site was completed in 1977).

Since then, there has been extensive lime treatment of the water (Frontier now operates at 4626 Royal Avenue, but is still responsible for the clean-up of the Pendleton lagoon). PH is now 6-7, and the quality of the water is considered good.

The company has been pumping water from the lagoon into the Niagara County Sewer District #1 sewerage system. After the lake is dewatered, the remedial plan calls for the grading of the sludge deposits into the design portions of the bottom of the lake, bringing the elevation up to grade with demolition debris, and then capping the whole area with clay.

Franc Grabar

Franc Grabar

deeper

Attachment to 8/82
inspection report
(note 1)